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## PRE-APPEAL BRIEF REQUEST FOR REVIEW

Docket Number (Optional)

ITL.1105US (P18745)

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on March 26, 2007

Signature

Typed or printed  
name

Nancy Meshkoff

Application Number

10/814,528

Filed

March 31, 2004

First Named Inventor

Tom E. Pearson

Art Unit

2833

Examiner

Vanessa Mary Girardi

Applicant requests review of the final rejection in the above-identified application. No amendments are being filed with this request.

This request is being filed with a notice of appeal.

The review is requested for the reason(s) stated on the attached sheet(s).

Note: No more than five (5) pages may be provided.

I am the

☐ applicant/inventor.

☐ assignee of record of the entire interest.  
See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed.  
(Form PTO/SB/96)

☒ attorney or agent of record.  
Registration number 28,994

☐ attorney or agent acting under 37 CFR 1.34.  
Registration number if acting under 37 CFR 1.34 \_\_\_\_\_

Signature

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Typed or printed name

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Telephone number

March 26, 2007

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 35 U.S.C. 132. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11, 1.14 and 41.6. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:

Tom E. Pearson et al.

Serial No.: 10/814,528

Filed: March 31, 2004

For: Infrared Transmissive Integrated  
Circuit Socket Cap

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Art Unit: 2833

Examiner: Vanessa Mary Girardi

Docket: ITL1105US  
P18745

Assignee: Intel Corporation

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**STATEMENT IN SUPPORT OF PRE-APPEAL BRIEF REQUEST FOR REVIEW**

Sir:

Claim 1 calls for an infrared transmissive cap removably secured to a hinged cover on a socket housing. The cap may protect the socket part of the integrated circuit insulation while facilitating surface mounting of the socket to the printed circuit board. Infrared radiation from the surface mount oven passes through the cap to heat the socket (rather than the cap) so that the socket is thereby soldered to the printed circuit board.

The cited reference to Liao, if anything, teaches away. It simply relates to a cap for a socket. The problem with Liao is that the cap becomes heated in the usual course. Thus, if anything, Liao teaches away from the claimed invention and presents an example of the problem solved by the present application.

The cited reference to Ciambrone has nothing to do with an integrated circuit socket. It is a soldering tool, not a socket. The fact that infrared transmissive elements have been used in the

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Nancy Meshkoff

past is not sufficient to show that it would be obvious to use an infrared transmissive cap in place of the cap used by Liao. Certainly, this was not obvious to Liao.

The suggestion that the reason to substitute the infrared soldering tool of Ciambone for the non-infrared transmissive cap of Liao is that the cap may be recycled, reformed, and reused is noted, but makes no sense. Liao would respond that this rational provided him no reason to go to the trouble to use an infrared transmissive cap because his current cap can be recycled, reformed, and reused. In short, nothing in either Liao or Ciambone teaches any reason to use infrared transmissive material for the cap of Liao. Suggestions to the contrary rely on nothing but hindsight reasoning.

For all these reasons, the cited references provide no guidance to one skilled in the art, such as Liao, as to why Liao's solution could be improved. There is not even a recognition that the cover of Liao would heat up in the course of reflow. Not only do the references fail to teach the solution claimed here, but they do not even recognize the problem that gives rise to the claimed solution.

For all these reasons, reconsideration would be appropriate.

Respectfully submitted,

Date: March 26, 2007



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